

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in this application:

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Claim 1 (currently amended): A method for managing network resources, the method comprising the steps of:

- a) ~~allocating at least one resource on a server at least one server resource to a~~ provision of a service to a user of a client;
- b) ~~monitoring activity of a user by~~ at said client to detect a change in the level of user's activity;
- e) ~~transmitting to said server from said client a notification of change of~~ in activity level to said server; and
- d) ~~managing at least one said reversibly reducing said at least one allocated resource on~~ said server in response to said notification.

Claim 2 (original): The method of claim 1 wherein said notification of change of activity is in response to user inactivity.

Claim 3 (currently amended): The method of claim 2 further comprising ~~the step of~~ storing the state of the at least one allocated resource such that resumption occurs at substantially said same state in response to a subsequent notification of change of activity.

Claim 4 (currently amended): The method of claim 2 ~~further comprising the steps of~~ wherein reversibly reducing the at least one allocated resource comprises:

- e) ~~terminating transmission of output data to said client associated with an application~~ executing on said server in response to said notification;
- f) ~~storing said output data in a storage area following said notification; and~~
- g) ~~transmitting said stored output data to said client in response to a subsequent~~ notification of change of activity.

Claim 5 (currently amended): The method of claim 2 further comprising ~~the step of~~ displaying a predefined display on said client following detection of a change in the level of user activity.

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Claim 6 (currently amended): The method of claim 5 further comprising ~~the step of~~ transmitting from said server to said client said predefined display.

Claim 7 (currently amended): The method of claim 2 1 wherein ~~step (d) comprises reducing said at least one an~~ allocated resource on said server ~~in response to said notification~~ is CPU time.

Claim 8 (currently amended): The method of claim 7 1 further comprising ~~the steps of~~:

- ~~e)~~ transmitting ~~to said server~~ from said client a second notification of change of in activity level to said server; and
- ~~f)~~ ~~resuming said at least one~~ increasing the at least one allocated resource on said server in response to said second notification of change of activity.

Claim 9 (currently amended): The method of claim 7 1 ~~further comprising the step of~~ ~~reducing at least one wherein an~~ allocated resource is bandwidth in the network communication channel associated with maintaining communication between said server and said client.

Claim 10 (currently amended): The method of claim 2 wherein ~~step (d)~~ reversibly reducing the at least one allocated resource comprises reversibly reducing said at least one allocated resource to a predetermined level such that when the user resumes activity, resumption of said pre-reduced allocated resource is substantially transparent to said user.

Claim 11 (currently amended): The method of claim 2 wherein ~~step (d)~~ reversibly reducing the at least one allocated resource comprises ~~the steps of~~:

- ~~(d-a)~~ terminating communication with said client; and
- ~~(d-b)~~ reversibly reducing said at least one allocated resource associated with maintaining communication with said client.

Claim 12 (currently amended): The method of claim 11 further comprising ~~the steps of~~:

- ~~e)~~ re-establishing said communication between said client and said server; and
- ~~f)~~ transmitting ~~to said server~~ from said client a second notification of change of activity to said server.

Claim 13 (currently amended): The method of claim 12 ~~further comprising wherein the step of~~ initiating, by said client, the re-establishment of said communication between said client and said server is initiated by said client.

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Claim 14 (currently amended): A system for managing ~~network~~ resources, the system comprising:

a server comprising:

a resource for allocation in the provision of a service to a user of a client;

a resource manager; and

a server communication link in communication with said resource manager; and

a client in communication with said server, said client comprising:

an activity monitor; and

a client communication link in communication with said activity monitor,

wherein said ~~client~~ activity monitor detects a level of activity of a user on said client and,

in response to a change in said level of activity, transmits over said communication

link ~~to said server~~ a notification of change of activity to said server; and

wherein said ~~server~~ resource manager, in response to said notification, ~~manages reversibly~~

reduces said at least one ~~server~~ allocated resource associated with said client.

Claim 15 (original): The system of claim 14 wherein said notification of change of activity represents user inactivity.

Claim 16 (currently amended): The system of claim 14 wherein said ~~server resource manager, in response to said notification, reduces at least one server resource associated with said client~~ allocated resource on said server is CPU time.

Claim 17 (original): The system of claim 14 wherein said server further comprises a server first storage buffer in communication with said resource manager,

wherein said server stores output data generated by an application in said first storage buffer in response to said notification.

Claim 18 (currently amended): The system of claim 17 wherein said server transmits said output data stored in said first storage buffer to said client in response to a subsequent notification of change of activity level.

Claim 19 (original): The system of claim 14 wherein said server further comprises:

a server second storage buffer in communication with said resource manager,

AI wherein said server stores the state of said at least one allocated resource when said notification is received, for resumption at substantially same said state in response to a subsequent notification of change of activity.

Claim 20 (original): The system of claim 15 wherein said server further comprises:

a server display generator in communication with said resource manager,  
wherein said display generator produces a display which said server transmits to said client and wherein said client displays said display following detection of a change in the level of activity.

Claim 21 (original): The system of claim 15 wherein said client communication link initiates re-establishing communication with said server in response to said notification.

Claims 22–26 (canceled)

Claim 27 (currently amended): A server for managing resources allocated to an external client, the server comprising:

a resource manager; and  
a communication link in communication with said resource manager,  
wherein said ~~server~~-resource manager, in response to a notification of change of activity from an external client received over the communication link, ~~manages said~~  
reversibly reduces at least one server resource ~~associated with~~ allocated to said external client.

Claim 28 (original): The server of claim 27 wherein said notification of change of activity represents user inactivity.

Claim 29 (currently amended): The server of claim 27 wherein ~~said server resource manager, in response to said notification received over the communication link, reduces at least one server resource associated with said external client. the allocated resource is CPU time.~~

Claim 30 (original): The server of claim 27 wherein said server further comprises:

a first storage buffer in communication with said resource manager,  
wherein said server stores output data generated by an application in said first storage buffer in response to said notification.

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Claim 31 (original): The server of claim 30 wherein said server transmits said output data stored in said storage buffer to said external client in response to a subsequent notification of change of activity.

Claim 32 (original): The server of claim 27 wherein said server further comprises:  
a storage buffer in communication with said resource manager,  
wherein said server stores the state of said at least one allocated resource in said storage buffer, such that when subsequent notification is received in response to a change of activity, resumption occurs at substantially said same state.

Claim 33 (original): The server of claim 27 wherein said server further comprises:  
a server display generator in communication with said resource manager,  
wherein said display generator produces a display which said server transmits to an external client for displaying following detection of a change in the level of activity.

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